

REPORT NO: 44092244

DATE: 19.11.09

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CLIENT: **FUELSTAR FUEL COMBUSTION TECHNOLOGY LTD**

CONTACT: Mr Ian Cornelius

SUBJECT: The Hydrostatic Testing of fuel converter to destruction. The testing was carried out at the PearlStreet Carole Park premises.

IDENTIFICATION: D400 1007

ORDER NO: COD

DATE OF TEST: 19.11.09

TECHNICIAN: G Cirillo, W Berderow

TECHNICAL DATA

Test Specification: AS 4037:1999

Test Requirement: Test to destruction

Material Specification: Stainless Steel - NFS

Industrial Pressure Gauge: Floyd 0 - 40000

Industrial Gauge Serial No: Q2474

Ambient Temperature: 25°C

Water Temperature: 23°C

Test Requirement: To determine bursting pressure

RESULTS OF TESTING

IDENTIFICATION

D400 1007

INTERPRETATION

Dimensions of Vessel before test:

270mm in length
315mm in circumference

Dimensions of Vessel at 10 000 kPa:

270mm in length
330mm in circumference

Dimensions of Vessel after test:

270mm in length
385mm in circumference

Vessel deformed by 70mm in circumference

Bursting pressure of vessel
Vessel failed along weld line of end cap (see photos)

16 000 kPa



G Paessler
NDT Technical Manager
Brisbane Laboratory



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Photo 1 – General view of vessel before test



Photo 2 – Identification of item



Photo 3 – After test, Failure along weld of end cap



Photo 4 – After test, Failure along weld of end cap



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